



# 182M HALF CELL

## 535W-550W



**Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load



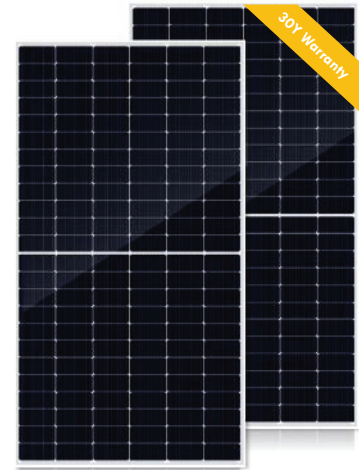
**Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours



**Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV



**Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules



### ELECTRICAL PERFORMANCE

Model Type	YH535W-36MH		YH540W-36MH		YH545W-36MH		YH550W-36MH	
Dimensions (L / W / H)	2279*1134*30		2279*1134*30		2279*1134*30		2279*1134*30	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	535	397.7	540	401.4	545	405.1	550	408
Maximum Power Voltage (Vmp)	41.62V	38.62V	41.77V	38.78V	41.93V	38.93V	42.13V	39.09V
Maximum Power Current (Imp)	12.86A	10.3A	12.94A	10.35A	13.0A	10.41A	13.06A	10.46A
Open Circuit Voltage (Voc)	49.5±3%	46.36±3%	49.7±3%	46.54±3%	49.9±3%	46.73±3%	50.1±3%	46.92±3%
Short Circuit Current (Isc)	13.61±3%	10.97±3%	13.72±3%	11.05±3%	13.81±3%	11.13±3%	13.9±3%	11.2±3%
Module Efficiency( % )	20.70		20.89		21.09		21.28	

### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1500V
Maximum Series Fuse Rating(A)	20A
Power Tolerance	0~+3W
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2°C
Operating and Storage Temperature(°C)	-40°C~+85°C

### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	182*91 Mono
No. of Cells	144 (6*12)*2
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP67/IP68
Cable (Length/Cross-Sectional Area)	4mm² cable 30cm+mc4
Weight	27.00kg

### PACKAGING SPECIFICATIONS

- 20FT container 5Packages/315PCS
- 40HQ container 20Packages/720PCS

